

Warren County



WARREN

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Hope Auto Care

Route 611

Hope Township

Warren County

BLOCK: 100 **LOT:** 2600

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Auto Repair Facility
OPERATION STATUS: Active

PROPERTY SIZE: 1 Acre

SURROUNDING LAND USE: Residential
















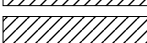




MEDIA AFFECTED	CONTAMINANTS	STATUS
Ground Water	Volatile Organic Compounds	Treating
Potable Water	Volatile Organic Compounds	Treating
Soil	Volatile Organic Compounds	Partially Removed/Treating

FUNDING SOURCES	AMOUNT AUTHORIZED
Spill Fund	\$552,000
Hazardous Discharge Site Cleanup Fund	\$458,000
Underground Storage Tanks	\$181,000
1986 Bond Fund	\$130,000
Corporate Business Tax	\$156,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The Hope Auto Care site is located in a rural area where residents rely on private wells for potable water supplies. Formerly a gasoline service station, the site currently operates as an automotive repair facility. While the facility was a service station, several underground tanks were used for the storage of gasoline, kerosene and waste oil. In 1989, the property owner excavated two leaking underground storage tanks that had contaminated the soil and ground water. Approximately 90 tons of petroleum hydrocarbon-contaminated soil were removed along with the tanks, but some contaminated soil was left in place. Gasoline-related volatile organic compounds were detected in two nearby private potable wells and the Hope Auto Care facility was identified as a Potentially Responsible Party for the contamination.

In 1990, NJDEP's Division of Publicly Funded Site Remediation installed Point-of-Entry Treatment (POET) systems on the two contaminated private potable wells, began a long-term potable well sampling program to protect other residents with private wells in the area, and installed a remediation system to extract and treat the contaminated ground water at the site. NJDEP subsequently installed a soil vapor recovery extraction (SVE) system at the site to address the residually-contaminated subsurface soil, excavated the two remaining underground storage tanks and 150 additional tons of petroleum hydrocarbon-contaminated soil. NJDEP shut down the ground water remediation system in 1996 after sampling of on-site monitor wells showed that the contaminant levels in the ground water were below New Jersey Drinking Water Standards. However, subsequent sampling indicated that the contaminant levels had increased to slightly above ground water quality criteria. NJDEP restarted the ground water treatment system in 1999 and will continue to operate the system until ground water quality criteria are achieved.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Soil & Drum Removal					 Planned
Ground Water Remediation and SVE					 Underway
UST Removal					 Completed
Receptor Control (POETS)					 Not Required

Independence Township Ground Water Contamination

Route 46, Asbury Road & Ketchum Road

Independence Township Warren County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Delineated

Potable Water

Volatile Organic Compounds

Alternate Water Supply
Provided

FUNDING SOURCES

Spill Fund

1986 Bond Fund

Corporate Business Tax

AMOUNT AUTHORIZED

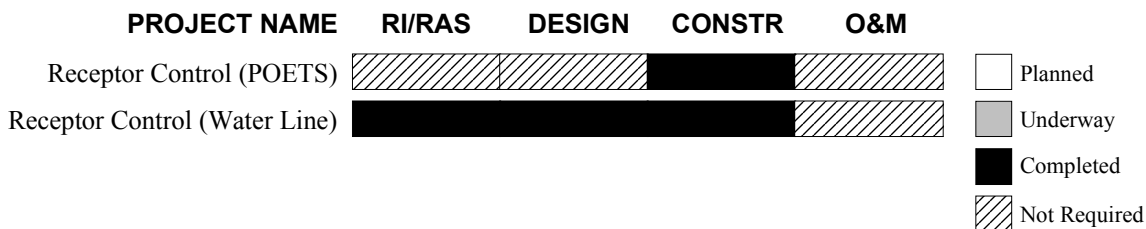
\$511,000

\$4,220,000

\$150,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Ground water contamination was discovered in this area in 1992, after sampling of a residential drinking water well indicated elevated levels of chlorinated volatile organic compounds. The Warren County Health Department subsequently conducted a potable well sampling program that was eventually expanded to include 233 wells in the Township. The health department determined that 49 private potable wells were contaminated with chlorinated volatile organic compounds at levels exceeding New Jersey Drinking Water Standards, and other wells had traces of the same compounds. NJDEP installed Point-of-Entry Treatment (POET) systems on the wells with contamination exceeding Drinking Water Standards as an interim measure to provide potable water for the residents. NJDEP's Division of Publicly Funded Site Remediation completed a Remedial Action Selection (RAS) in 1994 that concluded the most cost-effective long-term remedy was the extension of public water lines to the 148 properties within the Ground Water Impact Area (GWIA) that was established for the site. Independence Township used funds provided by NJDEP to construct the water lines, connect the homes in the project area and restore the landscaping and roads. All activities related to the water line installation were completed in 2001. NJDEP has identified a manufacturer of photoelectric devices that is located within the GWIA as a Potentially Responsible Party for the ground water contamination.



Pohatcong Valley Ground Water Contamination

Route 643 to Route 31

Washington Township

Warren County

BLOCK: Various **LOT:** Various

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 3,500 Acres

SURROUNDING LAND USE: Residential/Industrial

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Trichloroethylene
Tetrachloroethylene

Delineating

Potable Water

Trichloroethylene
Tetrachloroethylene

Alternate Water Supply
Provided/Treating

Soil

Trichloroethylene
Tetrachloroethylene

Investigating/Delineating

FUNDING SOURCES

AMOUNT AUTHORIZED

Superfund

\$4,500,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The Kittatinny Limestone Aquifer, which serves as the sole source of potable water for private wells and municipal wells in the Pohatcong Valley, is contaminated by volatile organic compounds from an unknown source. The contamination was first discovered in the late 1970s, when high levels of tetrachloroethylene (also known as perchloroethylene, or PCE) were detected in two local public supply wells. One of the supply wells was closed and a carbon filtration system was installed on the other to remove the contaminants from the water. In the mid-1980s, the Warren County Health Department determined that private potable wells at 79 properties in the region were contaminated with volatile organic compounds. These properties were connected to the public water supply system in 1988.

The Pohatcong Valley Ground Water Contamination was added to the National Priorities List of Superfund sites in 1989. USEPA is conducting a Remedial Investigation and Feasibility Study (RI/FS) to determine the nature and extent of the contamination and identify cleanup alternatives. The field work for the RI/FS began in 1999 and entails installing ground water monitor wells and temporary well points, sampling private wells at off-site properties to delineate the ground water contamination, and conducting soil sampling, soil gas surveys and a geological survey. USEPA will use the findings of the RI/FS to select the appropriate remedial actions to address the contamination, which will be outlined in one or more Records of Decision (ROD) for the site.

PROJECT NAME

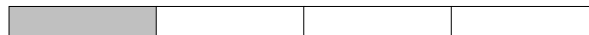
RI/FS

DESIGN

CONSTR

O&M

Sitewide



Planned



Underway



Completed



Not Required